

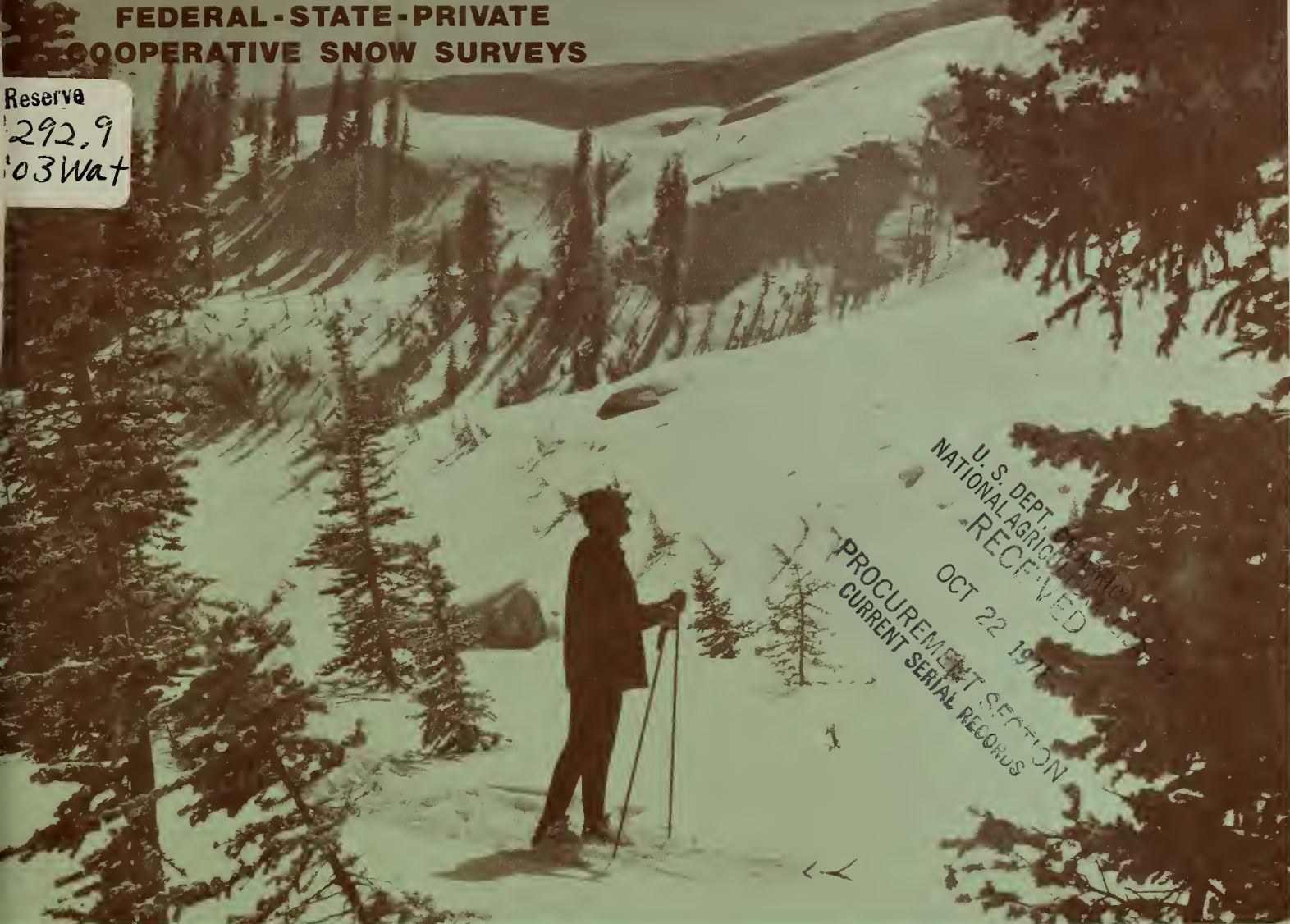
## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.



FEDERAL-STATE-PRIVATE  
COOPERATIVE SNOW SURVEYS

Reserve  
292.9  
03Wat



U.S. DEPT. OF AGRICULTURE  
NATIONAL AGRICULTURAL LIBRARY  
RECEIVED  
OCT 22 1971  
PROCUREMENT SECTION  
CURRENT SERIAL RECORDS

# **WATER SUPPLY OUTLOOK FOR IDAHO**

Prepared by

**U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE**

Collaborating with

**IDAHO STATE DEPARTMENT OF WATER ADMINISTRATION**

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF  
**FEB. 1, 1971**



## TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters of key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

### PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	12417 Federal Building, Denver, Colorado 80202
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 970, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

### PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



# ***WATER SUPPLY OUTLOOK FOR IDAHO***

and  
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

*Issued by*

KENNETH E. GRANT  
ADMINISTRATOR  
SOIL CONSERVATION SERVICE  
WASHINGTON, D C

|||||  
*Released by*

GUY W. NUTT  
STATE CONSERVATIONIST  
SOIL CONSERVATION SERVICE  
BOISE, IDAHO

*In Cooperation with*

R. KEITH HIGGINSON  
DIRECTOR  
DEPARTMENT OF WATER ADMINISTRATION

|||||  
*Report prepared by*

MORLAN W. NELSON, Snow Survey Supervisor  
and

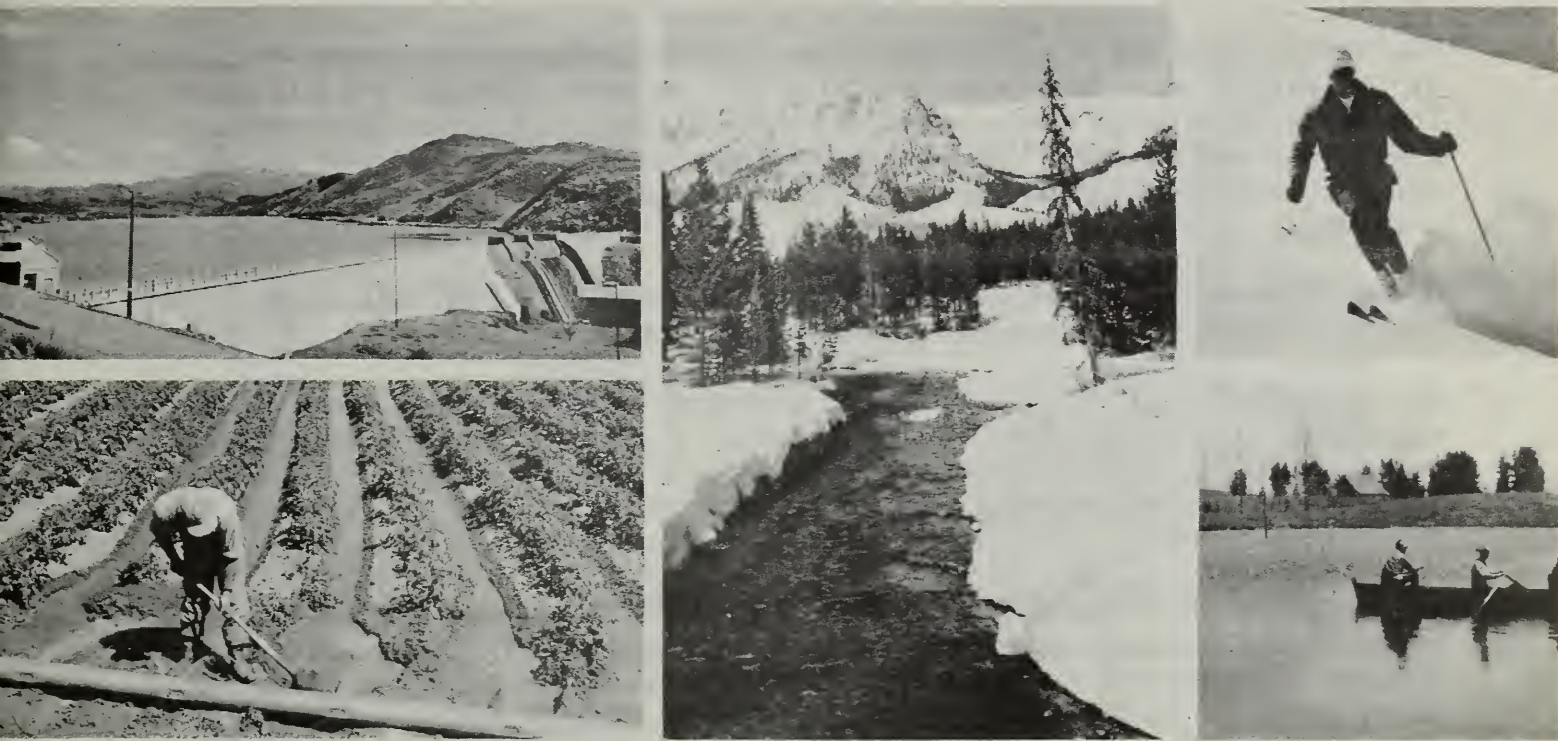
J. ALDEN WILSON, Assistant Snow Survey Supervisor

SOIL CONSERVATION SERVICE  
SNOW SURVEY SECTION  
ROOM 345, 304 N. 8th. ST.  
BOISE, IDAHO 83702





# WATER SUPPLY OUTLOOK for IDAHO



## GENERAL SUMMARY FOR FEBRUARY 1, 1971

Snowfall during the month of January continued well above normal but not at the record-breaking pace earlier in the winter. On the major rivers in Idaho, snow cover now varies from 104% of normal on the Kootenai River to 220% on the Big Lost River. The water supply outlook for the entire state is excellent.

Precipitation at the valley elevations was also above normal and during several storms, rain fell on the snowpack as high as 10,000 feet. This rainfall on the snow and the relatively warm temperatures that occurred for as long as a week, resulted in unusually dense snow for this time of year. The snowpack, generally speaking, is more than 30% water at this time.

Streamflow during the month was unusually high on all rivers and streams, and many low elevation areas flooded as a result of frozen soil which did not absorb the melting snow or rain. At the valley and foothill elevations, there are many small streams that pose potential flood threats as a result of frozen soil beneath the snowpack and unusually heavy snow cover.

During the warm rainy period of January, a great portion of the valley elevation snow cover melted, but there are many rivers which still pose the threat of flooding if chinook winds or warm rains occur instead of normal melting.

The BOISE FRONT still has unusually heavy snow cover in the upper half of the watershed. Soils are saturated beneath the snowpack and all of the Boise Front will react swiftly to any drastic change in the weather. A heavy volume of water is contained in the snowpack, but unless unusually warm or rainy conditions occur in the next six weeks, no problem should develop.

On the WILLOW-SAND CREEK drainages above Idaho Falls, there is still a heavy snowpack with frozen soil and a potential threat.

The PORTNEUF RIVER, particularly in the upper portions above Bancroft, represents a critical area for this spring. There is an extremely heavy snowpack with frozen soils which represents a high probability of problems. Almost ideal melting conditions will have to occur to eliminate this flood threat.

The MALAD RIVER, MARSH CREEK, and MONTPELIER CREEK in eastern Idaho all have unusually heavy snowpacks which will result in high water this spring. Special plans should be considered in these areas for handling unusually high water, if it should occur as a result of adverse weather combinations.

The CAMAS-BEAVER CREEK area near Kilgore and the LITTLE WOOD RIVER also have an extremely heavy snowpack extending down to low elevations.

Plans for considering the problem of high water should be made in these areas and many others throughout the state which have the same combination of heavy snow cover and frozen soils beneath.

Unusually high inflows are expected for all of the irrigation reservoirs in southern Idaho.

Streamflow forecasts vary from 105% of normal on the Kootenai River to 175% for inflow to Magic Reservoir.

Special measurements will be made during February in the valley and foothill areas to evaluate the changes in high flow potential that may result from weather conditions during February.

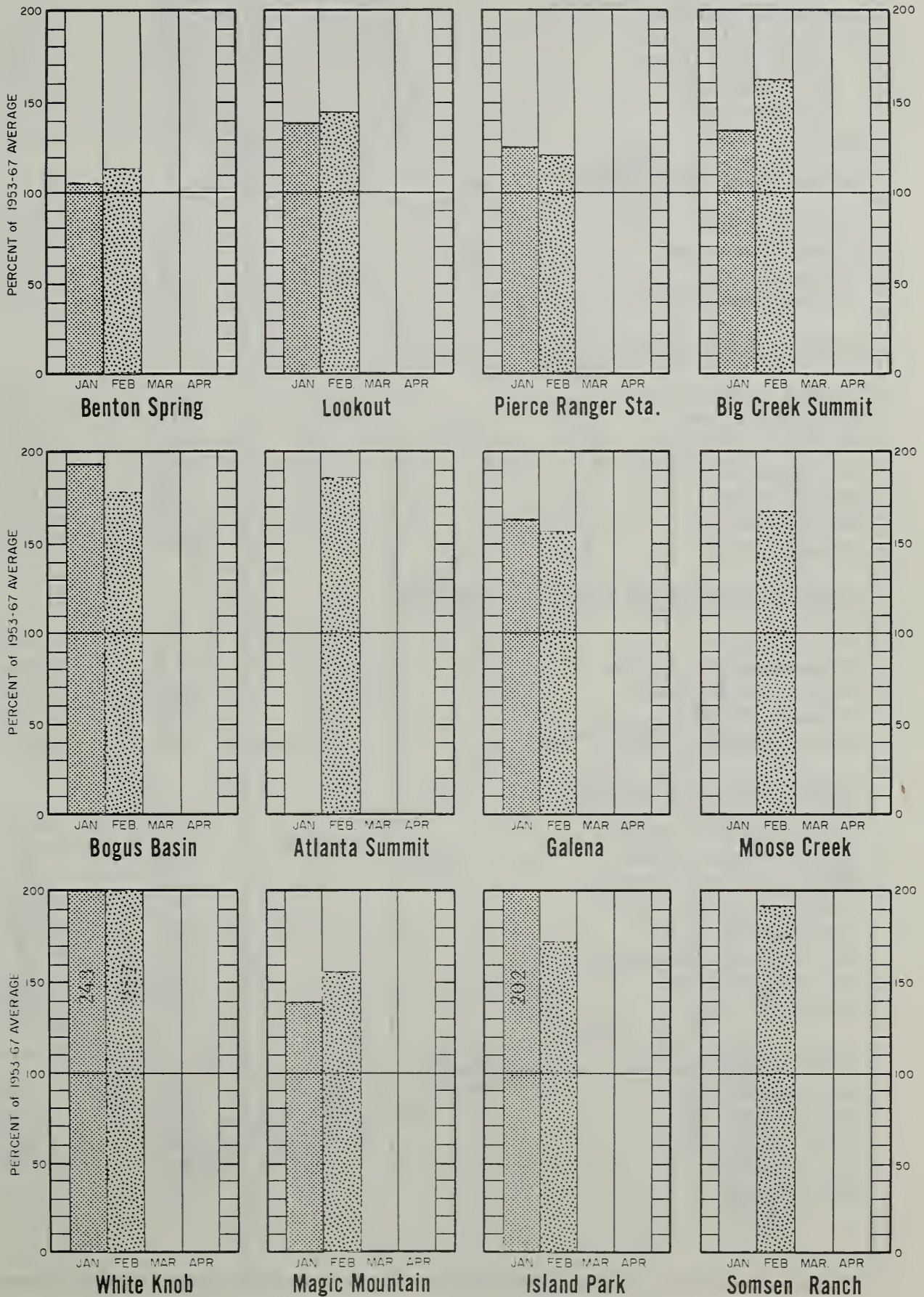


# SNOW WATER DEPTHS ACCUMULATION

## For Selected Snow Courses

As Compared To 1953-67 15 Yr. Average

February 1, 1971



## COMPARISON of SNOW COVER

RIVER BASIN WATERSHED	NO.OF COURSES AVERAGED	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF :	
		LAST YEAR	1953-67 AVERAGE
<u>UPPER COLUMBIA RIVER BASIN</u>			
Kootenai River	8	170	104
Pend Oreille River	18	158	138
Clark Fork River	15	152	139
Flathead River	3	185	135
Priest River	2-4	140	120
Spokane River	3	140	140
<u>LOWER SNAKE RIVER BASIN</u>			
Palouse River	5	100	100
Clearwater River	7-29	145	145
Salmon River	10-19	140	160
Lemhi River	7	135	--
<u>MIDDLE SNAKE RIVER BASIN - Northside</u>			
Little Lost River	5	185	155
Big Lost River	3-5	235	220
Little Wood River	3-4	210	190
Big Wood River	6	150	170
Boise River	9	130	175
Payette River	8	115	170
Weiser River	1	140	190
<u>MIDDLE SNAKE RIVER BASIN - Southside</u>			
Raft River	2	95	175
Goose-Trapper Creeks	2	85	160
Salmon Falls Creek	9	115	160
Bruneau River	4	110	174
Owyhee River - Idaho	12-14	75	125
<u>UPPER SNAKE RIVER BASIN</u>			
Upper Snake - Wyoming	22	140	165
Camas-Beaver Creeks	2	170	215
Medicine Lodge Creek	2	210	210
Henrys Fork River	10-12	145	155
Teton River	2-3	100	135
Willow-Sand Creeks	7	115	--
Blackfoot River	4	125	170
Portneuf River	3-8	155	175
<u>GREAT BASIN</u>			
Bear River	12	160	180
Montpelier Creek	4-6	155	180
Mink Creek	4-7	165	180
Cub River	2	160	170
Malad River	2-6	135	200







## RESERVOIR STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	1953-67 AVERAGE
UPPER COLUMBIA BASIN				
Clark Fork - Pend Oreille				
Hungry Horse	3428.0	1980.0	2026.0	2474.0*
Flathead	1791.0	1150.0	1067.0	1186.0
Pend Oreille	1155.1	303.4	152.4	510.0
Noxon	334.6	332.1	320.0	320.2*
Spokane				
Coeur d'Alene	225.1	202.5	161.1	123.4
SNAKE BASIN				
Snake				
Jackson Lake	847.0	597.6	624.1	440.2
Palisades	1200.0	966.0	872.5	673.2*
American Falls	1700.0	1269.9	1242.8	1241.1
Island Park	127.0	116.6	122.8	97.5
Grassy Lake	15.2	12.2	8.4	10.5
Brownlee	980.2	901.1	912.1	539.8*
Goose-Trapper Creeks				
Oakley	74.4	31.6	16.8	13.5
Salmon Falls Creek				
Salmon Falls	182.6	45.6	29.3	22.7
Big Lost				
Mackay	44.2	36.9	31.4	28.9
Big Wood				
Magic	191.5	126.3	121.4	91.5
Little Wood				
Little Wood	30.0	15.8	18.7	10.5*
Fish Creek				
Carey Valley	14.4	7.3	8.2	--
Boise				
Anderson Ranch	423.2	311.1	304.6	227.0
Arrowrock	286.6	278.6	265.6	227.7
Lucky Peak	278.2	51.9	79.2	108.5*
Lake Lowell (Deer Flat)	169.0	126.7	145.2	101.1
Owyhee				
Owyhee	715.0	699.5	608.0	359.3
Payette				
Cascade	653.2	447.1	294.1	276.9
Deadwood	161.9	92.9	79.7	69.1
Weiser				
Mann Creek	11.1	8.1	9.4	--
GREAT BASIN				
Bear				
Bear Lake	1421.0	1098.7	1121.0	854.0
* Period of Record.				

# 7 RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

FEBRUARY 1, 1971

50 0 50 100 150  
SCALE IN MILES

Contents  
RESERVOIR  
Capacity

303.4  
PEND OREILLE  
1155.1

202.5  
COEUR D'ALENE  
225.1

92.9  
DEADWOOD  
161.9

447.1  
CASCADE  
653.2

901.1  
BROWNLEE  
980.2

699.5  
OWYHEE  
715.0

126.7  
LAKE LOWELL  
169.0

51.9  
LUCKY PEAK  
278.2

273.6  
ARROWROCK  
286.6

311.1  
ANDERSON RANCH  
423.2

332.1  
NOXON  
334.6

1980.0  
HUNGRY HORSE  
3428.0

1150.0  
FLATHEAD LAKE  
1791.0

36.9  
MACKAY  
44.2

116.6  
ISLAND PARK  
127.0

12.2  
GRASSY LAKE  
15.2

597.6  
JACKSON LAKE  
847.0

966.0  
PALISADES  
1200.0

1269.9  
AMERICAN FALLS  
1700.0

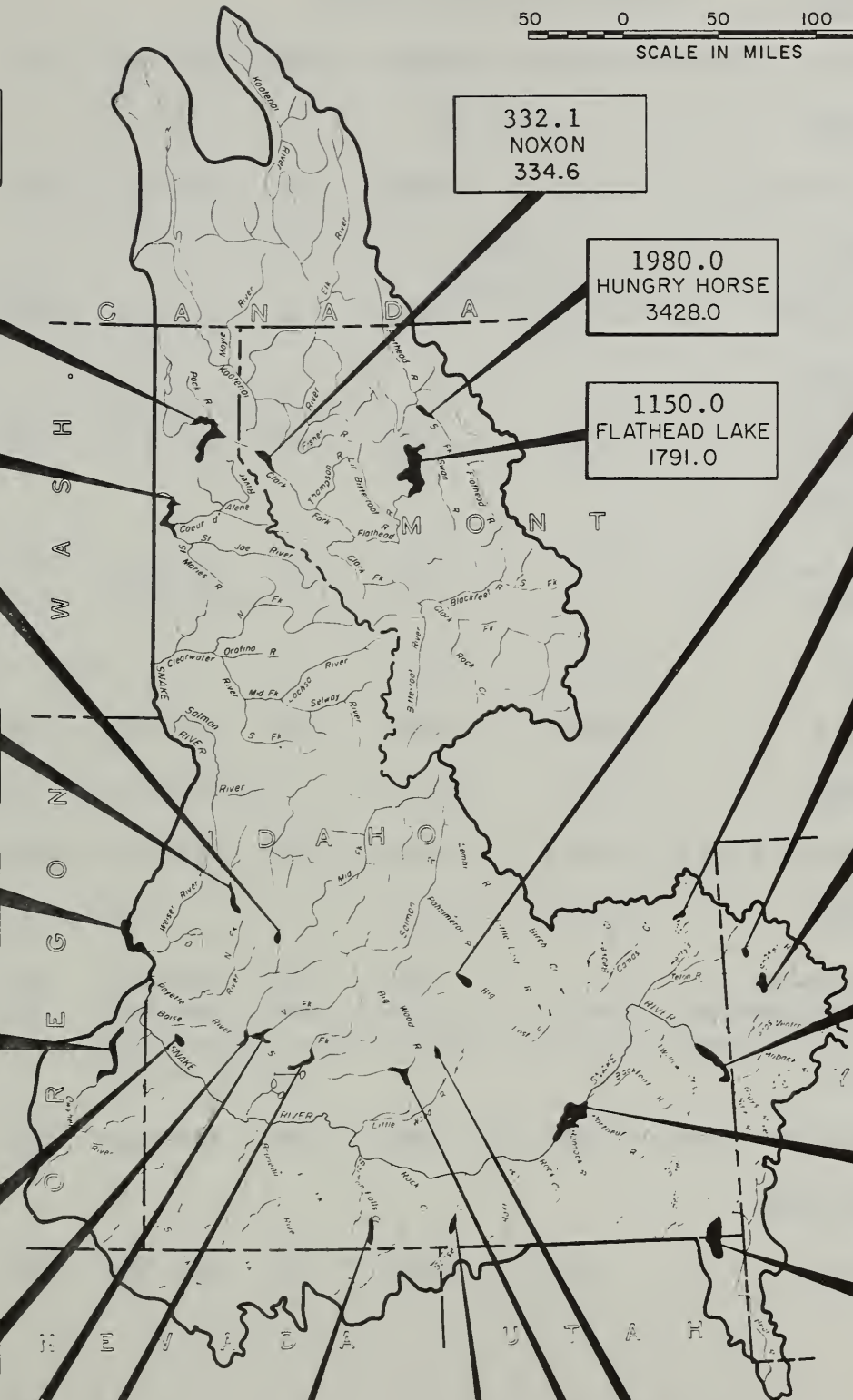
1098.7  
BEAR LAKE  
1421.0

15.8  
LITTLE WOOD  
30.0

31.6  
OAKLEY  
74.4

126.3  
MAGIC  
191.5

45.6  
SALMON FALLS  
182.6



## STREAMFLOW FORECASTS

STREAMFLOW FORECASTS		THIS YEAR			PAST RECORD		
		FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET		
		Thousand Acre Feet	Percent of Average		Last Year	Average †	
BASIN, STREAM and/or FORECAST POINT							
<u>KOOTENAI RIVER</u>							
Leonia	(at)	9650	105	Apr-Sep	6255	9198	
<u>SPOKANE RIVER</u>							
Post Falls <u>1/</u>	(at)	3500	111	Apr-Sep	2839	3140	
<u>SNAKE RIVER</u>							
Heise <u>2/</u>	(nr)	5000	134	Apr-Sep	4050	3743	
<u>BIG LOST RIVER</u>							
Mackay <u>3/</u>	(nr)	210	125	Apr-Sep	203	168	
<u>BIG WOOD RIVER</u>							
Magic Reservoir Inflow		470	175	Apr-Sep	248	268	
<u>BOISE RIVER</u>							
Boise <u>4/</u>	(nr)	2400	154	Apr-Sep	1658	1556	
<u>PAYETTE RIVER</u>							
Horseshoe Bend <u>5/</u>	(nr)	2700	147	Apr-Sep	2066	1839	
<u>OWYHEE RIVER</u>							
Lake Owyhee		455	104	Feb-Jul	420	438	
net inflow <u>6/</u>		326	109	Apr-Sep	307	300	
<u>SALMON RIVER</u>							
Whitebird	(at)	8900	130	Apr-Sep	7378	6850	
<u>CLEARWATER RIVER</u>							
Spalding	(at)	11000	128	Apr-Sep	7982	8578	

(c) Assuming normal meteorological conditions.

1/ Observed flow corrected for storage in Coeur d'Alene Lake. 2/ Corrected for storage in Jackson Lake and Palisades. 3/ Observed flow corrected for storage in Mackay Reservoir. 4/ Corrected for storage in Arrowrock, Anderson Ranch and Lucky Peak. 5/ Corrected for storage in Cascade and Deadwood Reservoirs. 6/ U.S.B.R. records of inflow.



VALLEY PRECIPITATION 1/

## Division Averages and Departures

In Inches

DRAINAGE DIVISIONS	Winter January 1971		Fall - Winter Nov. 70 - Jan. 71	
	Observed	Departure <u>2/</u>	Observed	Departure <u>2/</u>
Kootenai, Canada & U. S.	5.43	+1.84	11.74	+1.82
Flathead	4.05	+1.62	9.09	+2.24
Clark Fork	1.76	+0.66	3.33	+0.27
Pend Oreille-Spokane	5.83	+1.43	13.69	+1.22
Upper Snake	3.44	+1.09	9.72	+3.27
Snake River Plain	1.51	+0.56	4.79	+1.96
Salmon-Payette-Boise	4.06	+1.23	12.20	+4.66
Clearwater	4.58	+1.38	10.08	+1.09
Owyhee-Malheur	1.52	+0.30	5.51	+2.08

1/ Preliminary analysis by U. S. Weather Bureau from data furnished by Meterological Service of Canada and U. S. Weather Bureau.

2/ Departure from 15-year (1953-67) drainage division average.



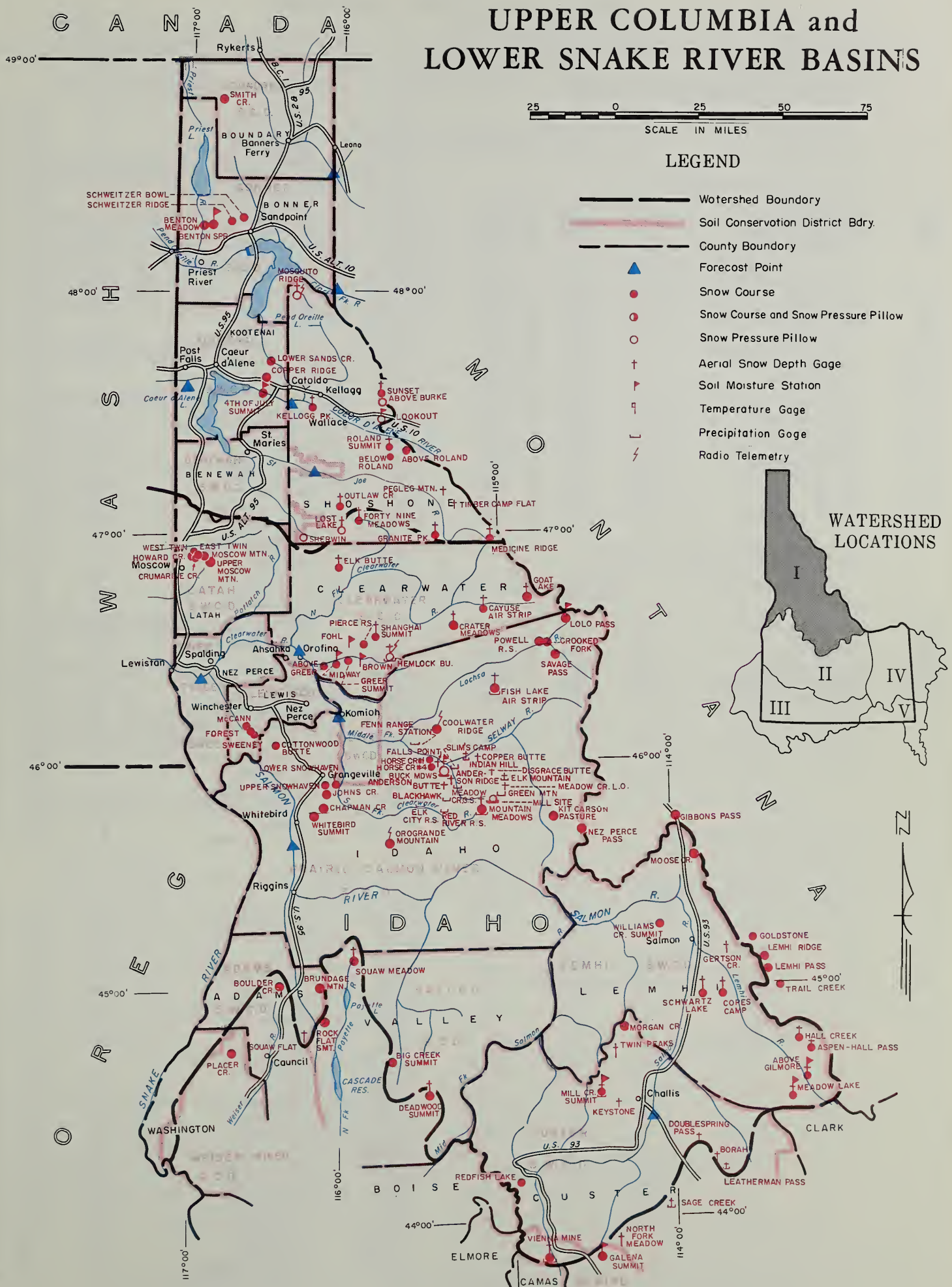
# UPPER COLUMBIA and LOWER SNAKE RIVER BASINS

25 0 25 50 75  
SCALE IN MILES

## LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- Aerial Snow Depth Gage
- Soil Moisture Station
- Temperature Gage
- Precipitation Gage
- Radio Telemetry

## WATERSHED LOCATIONS





# INDEX to SNOW COURSES

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
			LAT.	OR AND	LONG.	

## UPPER COLUMBIA BASIN

### KOOTENAI RIVER

16A1	I	Smith Creek	29	64N	3W	4800
------	---	-------------	----	-----	----	------

### PEND OREILLE - PRIEST RIVER

16A2	I	Benton Meadow	27	58N	4W	2344
16A3M	I	Benton Spring	30	58N	3W	4900
16A6	I	Schweitzer Bowl	20	58N	2W	4500
16A5	I	Schweitzer Ridge	19	58N	2W	6100

### SPOKANE RIVER

15B8S	I	Above Burke	11	48N	5E	4100
15B7	I	Above Roland	35	47N	6E	4350
15B6	I	Below Roland	34	47N	6E	3770
16B2	I	Copper Ridge	6 & 7	50N	1W	4800
16B3M	I	Fourth of July Summit	6	49N	1W	3100
15B13A	I	Granite Peak	3	42N	8E	6000
16B5A	I	Kellogg Peak	19	48N	3E	5560
15B2MS	I	Lookout	4	47N	6E	5250
16B1	I	Lower Sands Creek	32	51N	1W	3400
15B4A	I	Medicine Ridge	24	43N	10E	6150
16A4AS	I	Mosquito Ridge	5	54N	2E	5110
15B12A	I	Outlaw Creek	19	44N	5E	3750
15B15a	I	Pegleg Mountain	15	44N	9E	5735
15B5A	I	Roland Summit	26	47N	6E	5200
16C1S	I	Sherwin	28 & 33	42N	1E	3200
15B9A	I	Sunset	28	49N	5E	5600
15B16a	I	Timber Camp Flat	23	44N	9E	4300

## LOWER SNAKE BASIN

### PALOUSE RIVER

16C6	I	Crumarine Creek	24	40N	5W	3340
16C3	I	East Twin	13	40N	5W	4050
16C5	I	Howard Creek	14	40N	5W	3450
16C2	I	Moscow Mountain	18	40N	4W	4400
16C7SR	I	Upper Moscow Mountain	16	40N	4W	4600
16C4P	I	West Twin	14	40N	5W	4250

### LEGEND

#### Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY.
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
			LAT.	OR AND	LONG.	

## CLEARWATER RIVER

16C11	I	Above Greer	14	35N	2E	1240
15D7a	I	Anderson Butte	34	30N	9E	6800
15D8a	I	Anderson Ridge	35	30N	9E	5400
15D9p	I	Blackhawk	31	29N	10E	6080
16C14m	I	Brown	11	35N	3E	3100
15D5MAP	I	Buck Meadows	26	31N	8E	5600
15C3A	I	Cayuse Airstrip	4	38N	11E	3700
15C7R	I	Coolwater Mountain	32	33N	8E	6200
15D10a	I	Copper Butte	35	31N	10E	6000
16C16	I	Cottonwood Butte	33	32N	1W	5140
15C9A	I	Crater Meadows	2	37	9E	6100
14C10	I	Crooked Fork	27	37N	14E	3800
15D11a	I	Disgrace Butte	26	30N	10E	6600
16C15A	I	Elk Butte	6	40N	3E	5550
15D12p	I	Elk City Rgr. Sta.	23	29N	8E	4000
15D13ap	I	Elk Mountain	34	30N	11E	6900
15C11a	I	Falls Point	10	31N	9E	4600
15C12p	I	Fenn Ranger Station	23	32N	7E	1580
15C2AP	I	Fish Lake Airstrip	35	35N	11E	5000
15C8m	I	Fohl	16	36N	5E	3450
16C9	I	Forest	1	32N	3W	4550
15B3A	I	Forty-nine Meadows	6	43N	5E	5000
14C9A	I	Goat Lake	4	38N	13E	6600
15D14p	I	Green Mountain	15	28N	11E	7000
16C13	I	Greer Summit	13	35N	2E	3000
15C6APR	I	Hemlock Butte	7	36N	7E	5500
15C8s	M	Hoodoo Basin	17	14N	27W	6000
15C1	M	Hoodoo Creek	16	14N	27W	5900
15C14	I	Horse Creek #1	25	31N	8E	5500
15C15	I	Horse Creek #4	5	30N	9E	5400
15D21a	I	Horse Point	4	30N	9E	5700
15D22ap	I	Indian Hill	30	31N	10E	6100
14D3	I	Kit Carson Pasture	4	27N	16E	5020
14C5M	I	Lolo Pass	16	38N	15E	5230
15B14AS	I	Lost Lake	16	43N	4E	6000
15D15p	I	Lower Horse Creek	28	31N	9E	4100
16D7	I	Lower Snowhaven	9	29N	3E	5250
16C8	I	McCann	25	33N	3W	4300
15D16p	I	Meadow Creek Guard Station	5	29N	10E	2955
15D17a	I	Meadow Creek Lookout	25	29N	11E	7000
16C12M	I	Midway	14	35N	2E	2200
15D18ps	I	Mill Site	22	28N	11E	6700
15D6AP	I	Mountain Meadows	9	27N	10E	6300
14D1	M	Nez Perce Pass	25	1S	24W	6575
15D4R	I	Orogrande Mountain	24	27N	6E	7800
15C5	I	Pierce Ranger Station	2	36N	5E	3170
14C6	I	Powell Ranger Station	33	37N	14E	4230
15D19p	I	Red River Ranger Station	4	27N	9E	4340
15D20a	I	Sable Hill	14	29N	10E	6000
14C4	I	Savage Pass	18	36N	15E	6600
15C4A	I	Shanghai Summit	7	37N	6E	4600
15C13p	I	Slim's Camp	11	31N	9E	1850
16C10	I	Sweeney	1	32N	3W	4435
16D4	I	Upper Snowhaven	8 & 9	29N	3E	5600

## SALMON RIVER

13E19MA	I	Above Gilmore	13	13N	26E	8200
13E21A	I	Aspen-Hall Pass	6	16N	28E	8110
15E2	I	Big Creek Summit	24	15N	5E	6600
13E8a	I	Borah	21	10N	23E	8250
16D6	I	Brundage Mountain	6	19N	3E	7560
16D2	I	Chapman Creek	16	29N	2E	4215
13E17A	I	Copes Camp	36	18N	22E	7500
13E25a	I	Doublespring Pass	3	10N	22E	8400
13D17a	I	Gertson Creek	22	22N	23E	8050
13D2	M	Gibbons Pass	4	2S	19W	7100
13D9	M	Gold Stone	11	8S	16W	8100
13E20A	I	Hall Creek	1	16N	27E	7560
16D3	I	Johns Creek	9	29N	2E	3805
14E6a	I	Keystone	15	13N	18E	7700
13E24ap	I	Leatherman Pass	20	9N	23E	9800
13E1	M	Lemhi Pass	9	10S	15W	7480
13E23	M	Lemhi Ridge	4	10S	15W	8100
13E18MA	I	Meadow Lake	24	13N	26E	9100
14E1MAP	I	Mill Creek Summit	8	13N	17E	8870
13D16	I	Moose Creek	22 & 26	27N	21E	6200
14E4	I	Morgan Creek	32	18N	19E	7580
14E2	I	Redfish Lake	3	9N	13E	6600
13E16A	I	Schwartz Lake	34	18N	22E	8500
13E2	M	Trail Creek	15	10S	15W	7090
14E3a	I	Twin Peaks	28	15N	17E	10300
14F4AP	I	Vienna Mine	32	6N	14E	8900
16D5	I	Whitebird Summit	17	29N	2E	4390
14D4	I	Williams Creek Summit	34	21N	20E	7800

## SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (inches)	WATER CONTENT (inches)	WATER CONTENT (inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>b</sup>

UPPER COLUMBIA RIVER BASINPEND OREILLE - PRIEST RIVER

Benton Meadow	16A2	2344	1/28	20	7.1	8.3	5.1
Benton Spring	16A3	4900	1/27	49	15.8	11.2	14.0
#Mosquito Ridge (SP)	16A4	5100	2/1	--	27.0	17.7	--
Schweitzer Bowl	16A6	4500	1/28	80	28.3	21.0	--
Schweitzer Ridge	16A5	6100	1/28	109	39.7	23.7	--

SPOKANE RIVER

Above Burke (SP)	15B8	4100	2/1	--	15.5	--	--
Fourth of July Summit	16B3	3100	1/28	34	10.0	7.5	6.4*
Lookout	15B2	5250	1/28	109	36.1	24.4	25.0
Mosquito Ridge (SP)	16A4	5110	2/1	--	27.0	17.7	--
Sherwin	16C1	3200	2/1	35	11.5	9.3	10.4*
Sherwin (SP)	16C1	3200	2/1	--	12.2	9.0	--

LOWER SNAKE RIVER BASINPALOUSE RIVER

Crumarine Creek	16C6	3340	1/28	21	6.1	5.6	5.9*
East Twin	16C3	4050	1/28	24	7.5	8.8	10.5*
Howard Creek	16C5	3450	1/28	14	4.2	6.3	4.8*
Moscow Mountain	16C2	4400	1/28	46	14.3	13.5	12.2*
West Twin	16C4	4250	1/29	29	9.4	7.8	8.4*

CLEARWATER RIVER

Above Greer	16C11	1240	2/1	0	0.0	0.0	--
Buck Meadows	15D5	5600	2/1	67	22.0	17.2	--
Cayuse Airstrip	15C3	3700	1/29	39	10.0	8.8	7.6*
Coolwater Mtn. (SP)	15C7	6200	2/1	--	23.6	17.4	--
Cottonwood Butte	16C16	5140	1/28	44	11.8	9.7	--
Crater Meadows	15C9	6100	1/27	126	37.8	26.8	--
Crooked Fork	14C10	3800	1/26	46	14.2	8.0	--
Disgrace Butte (A)	15D11	6600	2/1	60	19.8	17.2	--
Elk Mountain	15D13	6900	2/1	103	37.3	27.2	--
Fish Lake Airstrip	15C2	5000	1/29	132	43.5	27.0	25.1*
Forest	16C9	4550	1/27	23	6.7	3.2	5.3*
Greer Summit	16C13	3000	2/1	0	0.0	T	--
Hemlock Butte	16C6	5500	1/29	156	47.0	28.8	34.2*
Hemlock Butte (R)	16C6	5500	2/1	--	53.1	34.6	--
Hemlock Butte (SP)	16C6	5500	2/1	--	51.8	33.5	--
#Hoodoo Basin Mont.	15C10	6000	1/28	139	48.3	33.1	--
#Hoodoo Basin (SP)Mont.	15C10	6000	1/31	--	46.6	32.6	--

(b) 1953-67, 15 year period. # Not located directly on this drainage. \* Estimated 1953-67, 15 year Average. (A) Aerial observation; Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

ii  
SNOW

DRAINAGE BASIN and SNOW COURSE				CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)		b
						LAST YEAR	AVERAGE	
#Hoodoo Creek Mont.	15C1	5900	1/28	136	47.0	31.8	--	
Lolo Pass	14C5	5230	1/26	102	26.6	20.5	--	
Lower Snowhaven	16D7	5250	1/28	51	15.0	12.3	--	
McCann	16C8	4300	1/27	23	7.1	1.5	5.1*	
Meadow Cr. Lookout (A)	15D17	7000	2/1	78	25.0	17.2	--	
Midway	16C12	2200	2/1	0	0.0	T	--	
Mill Site	15D18	6700	2/1	77	24.6	17.0	--	
Mountain Meadows	15D6	6300	2/1	61	18.8	14.8	--	
Orogrande Mtn. (R)	15D4	7800	2/1	--	31.8	25.9	--	
Pierce Rgr. Sta.	15C5	3170	1/29	33	10.2	4.8	8.5	
Powell Rgr. Sta.	14C6	4230	1/26	44	13.4	8.2	--	
Savage Pass	14C4	6600	1/27	79	23.4	15.8	--	
Shanghai Summit	15C4	4600	1/29	72	23.0	16.2	--	
Sweeney	16C10	4435	1/27	16	5.2	1.8	5.0*	
Upper Snowhaven	16D4	5600	1/28	54	16.0	13.8	--	

SALMON RIVER

Big Creek Summit	15E2	6600	1/29	106	37.4	31.4	23.2	
#Boulder Creek	16D1	5500	1/27	94	30.6	21.6	15.9*	
Brundage Mountain	16D6	7560	1/28	142	47.8	42.6	--	
Chapman Creek	16D2	4215	1/28	14	4.1	0.6	2.8*	
#Galena Summit	14F12	8795	1/28	83	25.3	16.4	15.3	
#Gibbons Pass Mont.	13D2	7100	2/1	65	22.2	15.1	14.4	
Johns Creek	16D3	3805	1/28	3	0.7	0.2	2.0*	
Mill Creek Summit	14E1	8870	1/28	67	22.5	14.0	--	
Moose Creek	13D16	6200	1/29	61	18.2	13.8	10.9	
Morgan Creek	14E4	7580	1/28	50	14.4	8.4	11.1*	
#Rock Flat Summit	16E1	5200	1/28	67	21.6	14.9	11.7	
Whitebird Summit	16D5	4390	1/28	28	7.5	1.7	4.8*	

Lemhi River

Above Gilmore	13E19	8200	1/27	32	8.9	6.4	--	
Aspen-Hall Pass	13E21	8110	1/27	31	6.7	7.0	--	
Copes Camp	13E17	7500	1/26	30	7.4	4.1	--	
Gertson Creek	13D17	8050	2/1	30	9.0	7.0	--	
Hall Creek	13E20	7560	1/27	16	3.7	4.1	--	
Meadow Lake	13E18	9100	1/27	54	17.8	11.4	--	
Schwartz Lake	13E16	8500	1/26	41	11.6	7.6	--	

(b) 1953-67, 15 year period. \* Not located directly on this drainage. \* Estimated 1953-67, 15 year Average. (A) Aerial observation; Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.



## SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
NAME	ELEVATION	DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
<u>SPOKANE RIVER</u>							
Fourth of July Summit	3100	48	11.6	1/28	10.4	10.2	10.2
Lookout	5250	48	11.0	1/28	8.5	7.5	8.5
<u>CLEARWATER RIVER</u>							
Brown	3100	36	6.7	2/1	6.5	5.9	5.6
Midway	2200	36	6.1	2/1	5.0	5.2	5.1
<u>SALMON RIVER</u>							
Mill Creek Summit	8870	48	8.4	1/28	5.5	4.4	6.7
<u>Lemhi River</u>							
Above Gilmore	8200	60	5.4	1/27	2.8	2.4	4.3
Meadow Lake	9100	48	4.4	1/27	2.4	1.9	2.6

## SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>b</sup>

## MIDDLE SNAKE RIVER BASIN - NORTHSIDE

LITTLE LOST RIVER

Fairview Guard Sta.	13E5	6750	1/27	22	5.8	4.2	3.2*
Lost Garfield	13E3	6600	1/27	17	4.0	3.0	2.6*
Moonshine	13E6	7450	1/27	36	10.0	5.8	8.3*
Sawmill Canyon	13E4	6900	1/27	32	9.4	5.0	5.8*
Wet Creek Summit	13E7	7600	1/28	46	14.0	5.2	7.8*

BIG LOST RIVER

Bear Canyon	13F3	7920	1/28	62	19.9	11.4	--
Copper Basin	13F2	7650	1/28	33	11.4	4.8	--
Dry Fork (A)	13F20	7340	1/27	57	17.5	--	--
Iron Bog	13F11	7650	1/26	56	17.2	7.6	8.0*
Leadbelt	13F12	6800	1/26	37	11.8	3.9	6.2*
White Knob	13F1	7700	1/28	38	13.1	3.4	5.1*

FISH CREEK

#Dry Fork (A)	13F20	7340	1/27	57	17.5	--	--
---------------	-------	------	------	----	------	----	----

LITTLE WOOD RIVER

#Bear Canyon	13F3	7920	1/28	62	19.9	11.4	--
Garfield Rgr. Sta.	13F4	6554	1/29	43	13.5	5.4	7.0*
Muldoon	13F5	6300	1/29	32	9.2	4.0	5.5*
Swede Peak	13F9	7500	1/29	65	20.8	9.0	10.4*

BIG WOOD RIVER

#Couch Summit	14F10	6950	1/26	68	21.8	13.8	10.9*
Galena	14F1	7300	1/27	68	20.8	15.6	13.3
Galena Summit	14F12	8795	1/28	83	25.3	16.4	15.3
Graham Ranch	14F5	6200	1/27	54	15.6	9.4	9.3
Mount Baldy	14F9	9000	1/28	72	21.8	11.6	13.8
Soldier Rgr. Sta.	14F11	6100	2/1	44	15.0	13.2	8.4*

CANYON CREEK

Bennett Mountain	15F7	6650	1/27	54	18.2	--	--
Dixie Hill	15F8	5230	1/27	17	5.3	--	--

BOISE RIVER

Atlanta Summit	15F4	7500	1/28	110	38.3	26.3	20.7*
Bad Bear	15F2	5500	2/1	47	15.2	12.4	9.9*
#Bennett Mountain	15F7	6650	1/27	54	18.2	--	--
#Bogus Basin	16F2	6120	2/1	70	26.3	23.0	14.8

(b) 1953-67, 15 year period. # Not located directly on this drainage. \* Estimated 1953-67, 15 year Average. (A) Aerial observation; Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Cage snow-water equivalent.

# MIDDLE SNAKE RIVER BASIN NORTHSIDE



## LEGEND

- Watershed Boundary
- Soil Conservation District Bdry
- County Boundary
- ▲ Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- † Aerial Snow Depth Gage
- ⬆ Soil Moisture Station
- ⊥ Temperature Gage
- ⊥ Precipitation Gage
- ⚡ Radio Telemetry



# INDEX to SNOW COURSES

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
			LAT.	OR AND	LONG.	

## MIDDLE SNAKE RIVER BASIN NORTHSIDE

### LITTLE LOST RIVER

13E5M	I	Fairview Guard Station	27	12N	26E	6750
13E3	I	Lost-Garfield	3	11N	26E	6600
13E6	I	Moonshine	31	13N	26E	7450
13E4	I	Sawmill Canyon	17	12N	26E	6900
13E9a	I	Swauger Lake	26	9N	24E	9050
13E7MAP	I	Wet Creek Summit	15	8N	25E	7600

### BIG LOST RIVER

13F18p	I	Antelope Pass	7	5N	23E	8800
13F3	I	Bear Canyon	26	5N	21E	7920
13F13a	I	Cherry Creek Pass	7	5N	23E	8900
13F2A	I	Copper Basin	24	6N	21E	7650
13F19p	I	Corral Creek Summit	25	7N	22E	8550
13F20ap	I	Dry Fork	23	3N	23E	7340
13F8a	I	Fishpole Lake	28	4N	22E	9350
13F7a	I	Grasshopper	15	4N	22E	8400
13F11	I	Iron Bog	23	4N	22E	7650
13F12	I	Leadbelt	34	4N	23E	6800
14F3A	I	Lost Wood Divide	19	6N	19E	7900
13F17ap	I	Mammoth Canyon	14	6N	23E	8300
14F15a	I	North Fork Meadow	20	7N	18E	8150
14F6p	I	Park Creek	18	6N	19E	7685
14E5ap	I	Sage Creek	12	9N	20E	7800
13F14ap	I	Slickrock	17	4N	22E	8640
14F2A	I	Stickney Mill	9	6N	19E	7500
13F1	I	White Knob	25	7N	23E	7700

### BIG WOOD RIVER

15F9a	I	Camas Creeks Divide	11	2S	9E	5720
14F8AP	I	Dollarhide Summit	16	3N	15E	8620
14F1M	I	Galena	3	6N	15E	7300
14F12MP	I	Galena Summit	33	7N	15E	8795
14F5	I	Graham Ranch	10	5N	17E	6200
14F7	I	Mascot Mine	8	4N	20E	7900
14F9	I	Mount Baldy	26	4N	17E	9000
14F11	I	Soldier Ranger Station	19	2N	14E	6100

### LITTLE WOOD RIVER

13F4M	I	Garfield Ranger Station	11	3N	21E	6554
13F5	I	Muldoon	25	3N	21E	6300
14F13m	I	Niggerhead	26	2N	20E	5450
14F14a	I	Porcupine	30	4N	20E	8350
13F9A	I	Swede Peak	4	3N	21E	7500

### FISH CREEK

13F10	I	Iron Mine Creek	32	3N	23E	6370
13F6	I	Telfer Ranch	12	2N	22E	6000

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
			LAT.	OR AND	LONG.	

### BOISE RIVER

15F4APS	I	Atlanta Summit	23	5N	10E	7500
15F2M	I	Bad Bear	35	7N	6E	5500
16F4	I	Bogus Basin Road	32	5N	3E	5360
16F5m	I	Bogus Basin Road	36	5N	2E	4830
14F10A	I	Couch Summit	9	2N	14E	6950
15F10a	I	Danskin	17	1N	7E	5650
16F1	I	Deadman Gulch	29	7N	4E	5600
15E9AP	I	Jackson Peak	7	8N	9E	7000
15F1MP	I	Moore Creek Summit	19	7N	7E	6100
15F6P	I	Prairie	13	2N	7E	4900
15F3A	I	Road Creek	5	5N	8E	5550
15F5APS	I	Trinity Mountain	7	3N	9E	7780
15F11a	I	Willow Creek Cabin	26	1N	6E	4710

### CANYON CREEK

15F7	I	Bennett Mountain	7	2S	9E	6650
15F8	I	Dixie Hill	13	2S	8E	5230
15F12a	I	Little Camas Flat	21	1S	9E	4950
15F13a	I	Long Tom	19	1S	8E	4550

### PAYETTE RIVER

16F2MPS	I	Bogus Basin	16	5N	3E	6120
15E8	I	Cozy Cove	19	11N	7E	5900
15E3	I	Crawford Ranger Station	21	14N	4E	4800
15E10	I	Deadwood Airstrip	8	11N	7E	5440
15E7	I	Deadwood Dam	8	11N	7E	5290
15E4A	I	Deadwood Summit	23	14N	7E	7000
16E7a	I	Greenfield Flat	1	13N	2E	7370
16E4	I	High Valley Summit	9	10N	2E	5170
15E1	I	Lake Fork	3	18N	4E	6000
16E1	I	Rock Flat Summit	1	18N	2E	5200
15D1	I	Secesh Summit	34	22N	4E	6600
16F7	I	Shafer Butte	15	5N	3E	7480
15E5A	I	Silver Creek Ridge	24	12N	5E	5700
15D2A	I	Squaw Meadow	5	21N	4E	5800
16E3	I	Tripod Summit	17	11N	3E	5200

### WEISER RIVER

16D1P	I	Boulder Creek	15	20N	1W	5500
16E6a	I	Mica Ridge	15	15N	2E	6800
16E2	I	Placer Creek	15 & 16	17N	3W	6000
16E5a	I	Squaw Flat	32	17N	2E	6230

### MANN CREEK

16E9	I	Mann Creek	29	15N	5W	5980
16E8	I	Sturgill Ridge	28	15N	5W	6680
17E1	I	Robinson Creek Ridge	2	14N	6W	6220
17E2	I	Thorson Cabin	12	14N	6W	5320

## LEGEND

### Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY.
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

## SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (inches)	WATER CONTENT (inches)	WATER CONTENT (inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>b</sup>
Bogus Basin Road	16F4	5360	2/3	25	9.0	7.1	4.8*
Couch Summit	14F10	6950	1/26	68	21.8	13.8	10.9*
#Dixie Hill	15F8	5230	1/27	17	5.3	--	--
Moore's Creek Summit	15F1	6100	2/1	103	35.3	28.8	20.9
Prairie	15F6	4900	1/28	27	9.1	6.3	4.7
#Soldier Rgr. Sta.	14F11	6100	2/1	44	15.0	13.2	8.4*
Trinity Mountain	15F5	7780	1/29	115	43.4	35.0	26.4*

## PAYETTE RIVER

#Big Creek Summit	15E2	6600	1/29	106	37.4	31.4	23.2
Bogus Basin	16F2	6120	2/1	70	26.3	23.0	14.8
#Brundage Mountain	16D6	7560	1/28	142	47.8	42.6	--
Cozy Cove	15E8	5900	1/28	68	19.0	18.0	10.7
Crawford Rgr. Sta.	15E3	4800	1/29	34	11.4	7.4	5.6*
Deadwood Airstrip	15E10	5440	1/28	54	15.5	17.4	10.3*
Deadwood Dam	15E7	5290	1/28	61	18.4	17.1	11.0
High Valley Summit	16E4	5170	1/31	43	13.0	--	--
Rock Flat Summit	16E1	5200	1/28	67	21.6	14.9	11.7
Tripod Summit	16E3	5200	1/29	69	22.2	--	13.5*

## WEISER RIVER

Boulder Creek	16D1	5500	1/27	94	30.6	21.6	15.9*
---------------	------	------	------	----	------	------	-------

## SOIL MOISTURE

STATION		PROFILE (inches)		SOIL MOISTURE (inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
<u>LITTLE LOST RIVER</u>							
Fairview Guard Station	5850	42	7.6	12/29	7.6 <sup>j</sup>	7.5	8.5
Wet Creek Summit	8175	48	17.1	1/28	13.2	12.4	16.4
<u>BIG WOOD RIVER</u>							
Galena	7300	48	10.1	1/27	7.0	4.2	8.7
Galena Summit	8795	48	5.8	1/28	Frozen	1.7	3.0*
<u>BOISE RIVER</u>							
Bogus Basin Road	4830	48	7.1	2/3	5.8	5.8	5.7
j January Measurement							
* Fall Measurement							

(b) 1953-67, 15 year period. # Not located directly on this drainage. \* Estimated 1953-67, 15 year Average. (A) Aerial observation: Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

## SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>b</sup>

## MIDDLE SNAKE RIVER BASIN - SOUTHSIDE

RAFT RIVER

Howell Canyon	13G1	8000	1/28	68	25.3	28.5	15.0*
Sublett	12G8	6000	1/27	36	12.0	10.4	6.2*

GOOSE CREEK

Badger Gulch	14G3	6660	1/28	26	9.0	11.8	6.2*
--------------	------	------	------	----	-----	------	------

SALMON FALLS CREEK

#Bear Creek (A) Nev.	15H1	7800	1/28	48	17.6	15.2	11.3*
Cedar Creek (A)	14G5	7000	1/28	24	8.6	8.0	6.5*
Deadline	14G4	6900	1/29	58	20.9	20.8	13.8*
Goat Creek Nev.	15H13	8800	1/30	51	18.4	13.5	10.3*
#Hummingbird Spgs. Nev.	15H15	8945	1/30	65	23.6	17.0	11.1*
Magic Mountain	14G2	6700	1/29	44	16.9	17.2	10.8*
#Pole Creek R. S. Nev.	15H14	8330	1/30	49	18.0	15.6	10.8*
Red Point (A) Nev.	15H18	7940	1/28	12	4.4	8.0	6.2*
Shoshone Basin	14G6	5740	1/29	10	3.8	--	3.1*
Wilson Creek (A)	15G2	7500	1/28	37	13.6	9.0	--

BRUNEAU RIVER

Bear Creek (A) Nev.	15H1	7800	1/28	48	17.6	15.2	11.3*
Hummingbird Spgs. Nev.	15H15	8945	1/30	65	23.6	17.0	11.1*
Pole Creek R. S. Nev.	15H14	8330	1/30	49	18.0	15.6	10.8*
#Seventy-six Cr. Nev.	15H3	7100	1/28	25	9.2	13.9	6.1*

OWYHEE RIVER

Antelope Ridge	16G6	5900	2/1	19	5.0	6.6	3.4*
Battle Creek (A)	16G9	5700	1/27	0	0.0	2.5	2.8*
#Bear Creek (A) Nev.	15H1	7800	1/28	48	17.6	15.2	11.3*
Bull Basin (A)	16G10	5600	1/27	0	0.0	1.8	0.9*
Hyde Pasture (A)	16G5	5800	1/27	8	3.2	2.8	3.8*
Mud Flat	16G7	5500	2/1	18	5.2	6.2	3.4*
Red Canyon (A)	16G11	6650	1/27	10	4.0	11.4	4.2*
#Seventy-six Cr. Nev.	15H3	7100	1/28	25	9.2	13.9	6.1*
Silver City	16F3	6400	2/1	41	15.1	15.4	9.2*
South Mountain	16G1	6340	1/27	29	11.6	11.4	7.3
Succor Creek (A)	16F6	6100	1/27	6	2.3	3.2	4.4*
Triangle (A)	16G4	5150	1/27	0	0.0	0.0	0.8*
Vaught Ranch (A)	16G12	5950	1/27	0	0.0	2.2	--
War Eagle (A)	16G13	7700	1/27	48	17.8	28.5	--

(b) 1953-67, 15 year period. \* Not located directly on this drainage. • Estimated 1953-67, 15 year Average. (A) Aerial observation: Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.



# MIDDLE SNAKE RIVER BASIN NORTHSIDE



## LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- ▲ Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- † Aerial Snow Depth Gage
- ⌈ Soil Moisture Station
- ⌈ Temperature Gage
- ⌈ Precipitation Gage
- ⌈ Radio Telemetry

# INDEX to SNOW COURSES

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
			LAT.	OR AND	LONG.	

## MIDDLE SNAKE RIVER BASIN NORTHSIDE

### LITTLE LOST RIVER

13E5M	I	Fairview Guard Station	27	12N	26E	6750
13E3	I	Lost-Garfield	3	11N	26E	6600
13E6	I	Moonshine	31	13N	26E	7450
13E4	I	Sawmill Canyon	17	12N	26E	6900
13E9a	I	Swauger Lake	26	9N	24E	9050
13E7MAP	I	Wet Creek Summit	15	8N	25E	7600

### BIG LOST RIVER

13F18p	I	Antelope Pass	7	5N	23E	8800
13F3	I	Bear Canyon	26	5N	21E	7920
13F13a	I	Cherry Creek Pass	7	5N	23E	8900
13F2a	I	Copper Basin	24	6N	21E	7650
13F19p	I	Corral Creek Summit	25	7N	22E	8550
13F20ap	I	Dry Fork	23	3N	23E	7340
13F8a	I	Fishpole Lake	28	4N	22E	9350
13F7a	I	Grasshopper	15	4N	22E	8400
13F11	I	Iron Bog	23	4N	22E	7650
13F12	I	Leadbelt	34	4N	23E	6800
14F3a	I	Lost Wood Divide	19	6N	19E	7900
13F17ap	I	Mammoth Canyon	14	6N	23E	8300
14F15a	I	North Fork Meadow	20	7N	18E	8150
14F6p	I	Park Creek	18	6N	19E	7685
14E5ap	I	Sage Creek	12	9N	20E	7800
13F14ap	I	Slickrock	17	4N	22E	8640
14F2a	I	Stickney Mill	9	6N	19E	7500
13F1	I	White Knob	25	7N	23E	7700

### BIG WOOD RIVER

15F9a	I	Camas Creeks Divide	11	2S	9E	5720
14F8AP	I	Dollarhide Summit	16	3N	15E	8620
14F1M	I	Galena	3	6N	15E	7300
14F12MP	I	Galena Summit	33	7N	15E	8795
14F5	I	Graham Ranch	10	5N	17E	6200
14F7	I	Mascot Mine	8	4N	20E	7900
14F9	I	Mount Baldy	26	4N	17E	9000
14F11	I	Soldier Ranger Station	19	2N	14E	6100

### LITTLE WOOD RIVER

13F4M	I	Garfield Ranger Station	11	3N	21E	6554
13F5	I	Muldoon	25	3N	21E	6300
14F13m	I	Niggerhead	26	2N	20E	5450
14F14a	I	Porcupine	30	4N	20E	8350
13F9A	I	Swede Peak	4	3N	21E	7500

### FISH CREEK

13F10	I	Iron Mine Creek	32	3N	23E	6370
13F6	I	Telfer Ranch	12	2N	22E	6000

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
			LAT.	OR AND	LONG.	

### BOISE RIVER

15F4APS	I	Atlanta Summit	23	5N	10E	7500
15F2M	I	Bad Bear	35	7N	6E	5500
16F4	I	Bogus Basin Road	32	5N	3E	5360
16F5m	I	Bogus Basin Road	36	5N	2E	4830
14F10A	I	Couch Summit	9	2N	14E	6950
15F10a	I	Danskin	17	1N	7E	5650
16F1	I	Deadman Gulch	29	7N	4E	5600
15E9AP	I	Jackson Peak	7	8N	9E	7000
15F1MP	I	Moore Creek Summit	19	7N	7E	6100
15F6P	I	Prairie	13	2N	7E	4900
15F3A	I	Road Creek	5	5N	8E	5550
15F5APS	I	Trinity Mountain	7	3N	9E	7780
15F11a	I	Willow Creek Cabin	26	1N	6E	4710

### CANYON CREEK

15F7	I	Bennett Mountain	7	2S	9E	6650
15F8	I	Dixie Hill	13	2S	8E	5230
15F12a	I	Little Camas Flat	21	1S	9E	4950
15F13a	I	Long Tom	19	1S	8E	4550

### PAYETTE RIVER

16F2MPS	I	Bogus Basin	16	5N	3E	6120
15E8	I	Cozy Cove	19	11N	7E	5900
15E3	I	Crawford Ranger Station	21	14N	4E	4800
15E10	I	Deadwood Airstrip	8	11N	7E	5440
15E7	I	Deadwood Dam	8	11N	7E	5290
15E4A	I	Deadwood Summit	23	14N	7E	7000
16E7a	I	Greenfield Flat	1	13N	2E	7370
16E4	I	High Valley Summit	9	10N	2E	5170
15E1	I	Lake Fork	3	18N	4E	6000
16E1	I	Rock Flat Summit	1	18N	2E	5200
15D1	I	Secesh Summit	34	22N	4E	6600
16F7	I	Shafer Butte	15	5N	3E	7480
15E5A	I	Silver Creek Ridge	24	12N	5E	5700
15D2A	I	Squaw Meadow	5	21N	4E	5800
16E3	I	Tripod Summit	17	11N	3E	5200

### WEISER RIVER

16D1P	I	Boulder Creek	15	20N	1W	5500
16E6a	I	Mica Ridge	15	15N	2E	6800
16E2	I	Placer Creek	15 & 16	17N	3W	6000
16E5a	I	Squaw Flat	32	17N	2E	6230

### MANN CREEK

16E9	I	Mann Creek	29	15N	5W	5980
16E8	I	Sturgill Ridge	28	15N	5W	6680
17E1	I	Robinson Creek Ridge	2	14N	6W	6220
17E2	I	Thorson Cabin	12	14N	6W	5320

## LEGEND

### Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.



## SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
NAME	ELEVATION	DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
<u>RAFT RIVER</u>							
Conner Pass	5700	36	9.8	1/29	8.1	9.0	8.3
Howell Canyon	8000	48	11.5	1/28	9.2	7.3	7.2
Sublett	6000	36	7.0	1/27	6.1	5.7	7.3
<u>GOOSE CREEK</u>							
Badger Gulch	6660	36	7.0	1/28	6.9	6.0	5.8
<u>SALMON FALLS CREEK</u>							
Deadline	6900	36	7.4	1/29	7.3	6.2	7.2
Patrick Ranch	5720	36	7.7	1/30	6.8	6.7	6.9
Pole Creek R. S.	8330	48	9.7	1/30	6.9	5.2	6.2
<u>OWYHEE RIVER</u>							
Mud Flat	5500	48	12.8	2/1	14.0	14.4	10.8*
* Fall Measurement							



## SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>b</sup>

UPPER SNAKE RIVER BASINCAMAS-BEAVER CREEKS

Camp Creek	12E3	6800	1/27	43	12.9	6.2	6.3
Kilgore	11E12	6200	1/28	43	14.2	9.8	6.2

MEDICINE LODGE CREEK

Irving Creek	12E4	7035	1/28	29	7.0	3.6	3.5*
Webber Creek	12E5	6700	1/28	28	6.9	3.0	3.2*

HENRYS FORK RIVER

Big Springs	11E9	6500	1/28	68	22.3	16.3	13.1
Black Canyon	11E18	7850	1/28	95	32.0	22.8	23.1*
Black Moose	11E19	8125	1/28	110	40.8	27.8	26.8*
Grassy Lake Wyo.	10E15	7230	1/28	98	34.7	27.4	21.9
Island Park	11E10	6315	1/28	60	18.2	12.6	10.6
Latham Springs	11E16	7650	1/28	95	34.4	23.2	22.4*
Lucky Dog	11E14	6900	1/28	78	27.6	19.4	16.8*
Old Road	11E15	7250	1/28	86	30.4	21.6	17.5*
Poacher's Cabin	11E17	8000	1/28	83	28.4	23.2	23.8*
Sawtelle Mountain	11E32	8715	1/28	100	36.0	23.8	--
Targhee Pass	11E34	7000	1/28	53	16.3	8.2	--
Valley View	11E8	6500	1/28	55	17.9	8.6	10.3

TETON RIVER

Freds Mountain	10F22	8000	1/29	67	23.2	22.1	--
Pine Creek Pass	11F2	6750	1/28	45	14.0	16.9	10.5*
State Line	11F1	6400	1/28	41	12.3	11.7	9.0

WILLOW CREEK

Aspen Grove	11F10	6600	1/29	34	10.5	9.8	--
Birch Creek	11F3	6800	1/29	28	8.1	7.4	--
Bone	11F8	6200	1/28	24	7.5	6.5	--
Ozone	11F4	5800	1/27	0	0.0	T	--
Sheep Mountain II	11F11	6510	1/28	44	13.1	10.9	--
Tex Creek	11F5	6700	1/29	29	8.0	5.8	--

SAND CREEK

Henry Creek	11F6	5650	1/27	11	4.2	2.2	--
Taylor Mountain	11F7	6500	1/27	25	7.2	9.4	--

(b) 1953-67, 15 year period. \* Not located directly on this drainage. \* Estimated 1953-67, 15 year Average. (A) Aerial observation; Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

# UPPER SNAKE RIVER BASIN

25 0 25 50  
SCALE IN MILES

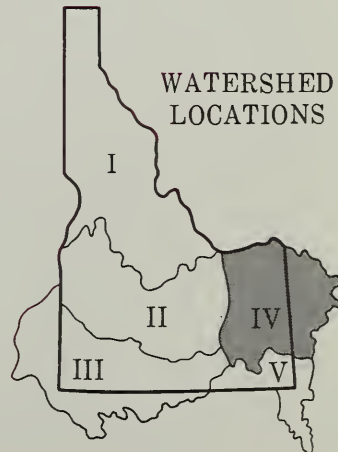


## LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- ▲ Forecast Point

- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- † Aerial Snow Depth Gage
- ▲ Soil Moisture Station
- q Temperature Gage
- Precipitation Gage
- ⚡ Radio Telemetry

## WATERSHED LOCATIONS





# INDEX to SNOW COURSES

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
			LAT.	OR AND	LONG.	
UPPER SNAKE RIVER BASIN						
SNAKE RIVER - WYOMING						
10G4	Wy	Afton Ranger Station	30	32N	118W	6200
10F1	Wy	Arizona	3	46N	115W	6350
10E8	Wy	Aster Creek	44° 17'	110° 38'		7700
10F2	Wy	Base Camp	20	46N	113W	6900
10F7	Wy	Blackrock	4	44N	111W	8600
10G2A	Wy	Blind Bull	6	34N	115W	8750
10F14	Wy	Bryan Flat	9	38N	115W	6250
10G7	Wy	CCC Camp	9	29N	118W	7500
10G5A	Wy	Cottonwood Lake	25	31N	118W	7500
10E10	Wy	Coulter Creek	44° 09'	110° 33'		7600
10F17MP	Wy	East Rim Divide #2	32	37N	111W	7950
10F6	Wy	Four Mile Meadows	35	45N	112W	7770
10E13	Wy	Glade Creek	12	48N	116W	7200
10F18	Wy	Greys Boundary	33	37N	118W	5800
10F19	Wy	Gros Ventre Summit	36	40N	111W	8750
10G3	Wy	Grover Park Divide	27	33N	118W	7500
10E14	Wy	Huckleberry Divide	32	48N	115W	7300
10E9FS	Wy	Lewis Lake Divide	44° 13'	110° 40'		7900
10F4MP	Wy	Moran	8 & 17	45N	114W	6800
10F3	Wy	Moran Bay	14	45N	116W	6800
10G6	Wy	Poison Meadows	29	30N	116W	8500
10G8P	Wy	Salt River Summit	32	29N	118W	7900
10E12MP	Wy	Snake River Station	9	48N	115W	6780
10F20M	Wy	Snow King Mountain #3	4	40N	117W	7600
10E7	Wy	Thumb Divide	44° 22'	110° 35'		7900
10F9MP	Wy	Togwotee Pass	29	44N	110W	9600
10F5	Wy	Turpin Meadows	14	45N	112W	6930
10G1A	Wy	Young's Ranch	26	34N	116W	6530

HENRYS FORK RIVER						
11E9	I	Big Springs	34	14N	44E	6500
11E18	I	Black Canyon	11	13N	45E	7850
11E19	I	Black Moose	33	14N	45E	8125
10E15	Wy	Grassy Lake	6	48N	117W	7230
11E10M	I	Island Park	29	13N	43E	6315
11E16	I	Latham Springs	9	13N	45E	7650
11E14	I	Lucky Dog	2	13N	45E	6900
11E15	I	Old Road	12	13N	44E	7250
11E17	I	Poacher's Cabin	11	13N	45E	8000
11E32	I	Sawtelle Mountain	7	14N	43E	8715
11E34	I	Targhee Pass	32	16N	44E	7000
11E8M	I	Valley View	7	15N	44E	6500

TETON RIVER						
10F21a	Wy	Darby Canyon	28	43N	118W	8250
10F22	Wy	Freds Mountain	12	44N	118W	8000
11F2M	I	Pine Creek Pass	24	3N	44E	6750
11F1M	I	State Line	32	3N	46E	6400
10F13M	Wy	Teton Pass	24	41N	118W	8500
CAMAS - BEAVER CREEK						
11E11	I	Blue Ledge Mine	27	13N	38E	6700
12E3	I	Camp Creek	21	13N	36E	6800
11E12	I	Kilgore	6	12N	39E	6200
MEDICINE LODGE CREEK						
12E4	I	Irving Creek	20	13N	33E	7035
12E5	I	Webber Creek	23	12N	32E	6700
WILLOW CREEK						
11F10	I	Aspen Grove	35	2N	41E	6600
11F3	I	Birch Creek	36	2N	41E	6800
11F8	I	Bone	29	1S	40E	6200
11F4	I	Ozone	14	1N	39E	5800
11F9	I	Sheep Mountain I	33	2S	41E	6450
11F11	I	Sheep Mountain II	33	2S	41E	6510
11F5	I	Tex Creek	6	1S	42E	6700
SAND CREEK						
11F6	I	Henry Creek	7	1S	39E	5650
11F7	I	Taylor Mountain	19	1S	39E	6500
BLACKFOOT RIVER						
11G3	I	Austin Brothers Ranch	28	7S	43E	6450
11G2M	I	China Hat	17	7S	42E	6300
11G5P	I	Slug Creek Divide	15	10S	44E	7225
11G1M	I	Somsen Ranch	25	5S	43E	7000
PORTNEUF RIVER						
11G25	I	Cove	21	9S	39E	5525
12G5	I	Dempsey Creek	17	10S	38E	6280
12G6M	I	Lower Pebble	7	8S	38E	5800
12G1	I	Mink Creek	33	7S	34E	6300
11G24	I	Moser	20	8S	39E	5950
11G23	I	North Bancroft #1	15	8S	39E	5460
11G22	I	North Bancroft #2	27	7S	39E	5430
12G2M	I	Pebble Creek	34	7S	37E	6550

## LEGEND

### Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY.
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.



## SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (inches)	WATER CONTENT (inches)	WATER CONTENT (inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>b</sup>

BLACKFOOT RIVER

Austin Bros. Ranch	11G3	6450	2/1	28	8.8	6.6	5.1*
China Hat	11G2	6300	2/1	19	6.0	5.2	4.2*
Slug Creek Divide	11G5	7225	1/29	52	17.0	12.4	9.9*
Somsen Ranch	11G1	7000	2/1	45	14.3	12.9	7.5*

PORTNEUF RIVER

Cove	11G25	5525	1/28	20	6.2	1.9	--
Dempsey Creek	12G5	6280	1/27	42	11.6	9.0	6.5*
Lower Pebble	12G6	5800	1/28	44	13.0	8.8	--
Mink Creek	12G1	6300	1/27	46	15.6	11.6	8.9*
Moser	11G24	5950	1/28	36	10.0	6.9	--
North Bancroft #1	11G23	5460	1/28	20	6.6	2.4	--
North Bancroft #2	11G22	5430	1/28	12	4.0	0.5	--
Pebble Creek	12G2	6550	1/28	47	14.8	12.3	8.6*

## SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
<u>HENRYS FORK RIVER</u>							
Island Park	6315	48	9.9	1/28	8.3	7.6	9.2
Valley View	6500	48	13.3	1/28	Frozen	Frozen	9.4
<u>TETON RIVER</u>							
Pine Creek Pass	6750	48	13.3	1/28	11.8	11.3	13.2 <sup>j</sup>
State Line	6400	48	14.8	1/28	14.0	11.2	13.0 <sup>j</sup>
Teton Pass	8500	48	10.5	1/28	11.8	7.1	8.1 <sup>j</sup>
<u>PORTNEUF RIVER</u>							
Lower Dempsey	5210	48	18.7	1/27	18.2	17.4	18.8
Lower Pebble	5800	36	7.6	1/28	8.5	4.6	8.5
Pebble Creek	6550	48	7.2	1/28	5.5	4.0	6.4
j January Measurement							

(b) 1953-67, 15 year period. \* Not located directly on this drainage. \* Estimated 1953-67, 15 year Average. (A) Aerial observation; Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

## SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>b</sup>

GREAT BASINBEAR RIVER

Emigrant Summit	11G6	7350	1/29	79	27.4	19.4	14.2*
Emigration Canyon	11G7	6500	1/29	38	12.6	9.5	6.4*

Montpelier Creek

Giveout	11G16	6840	1/27	44	14.4	9.3	7.7*
Little Beaver	11G20	6970	1/27	50	16.4	11.0	9.8*
Lower Home Canyon	11G27	7500	1/28	51	16.5	11.3	--
Montpelier Creek	11G18	6570	1/27	30	9.1	5.8	5.3*
Upper Home Canyon	11G26	8500	1/28	80	27.3	18.6	--
Whiskey Flat	11G21	6985	1/27	38	11.8	6.0	6.2*

Mink Creek

Christensen Ranch	11G11	5600	1/27	35	9.6	5.1	5.6*
Dry Basin (A)	11G14	7900	1/30	94	32.6	22.3	--
#Emigrant Summit	11G6	7350	1/29	79	27.4	19.4	14.2*
Horseshoe Basin (A)	11G15	8000	1/30	85	29.5	16.0	--
Liberty Spring (A)	11G13	8600	1/30	131	45.5	25.2	--
Strawberry Creek	11G9	5800	1/27	40	11.1	6.1	6.9*
Strawberry Mink Divide	11G10	6800	1/27	71	23.5	15.8	13.0*

Cub River

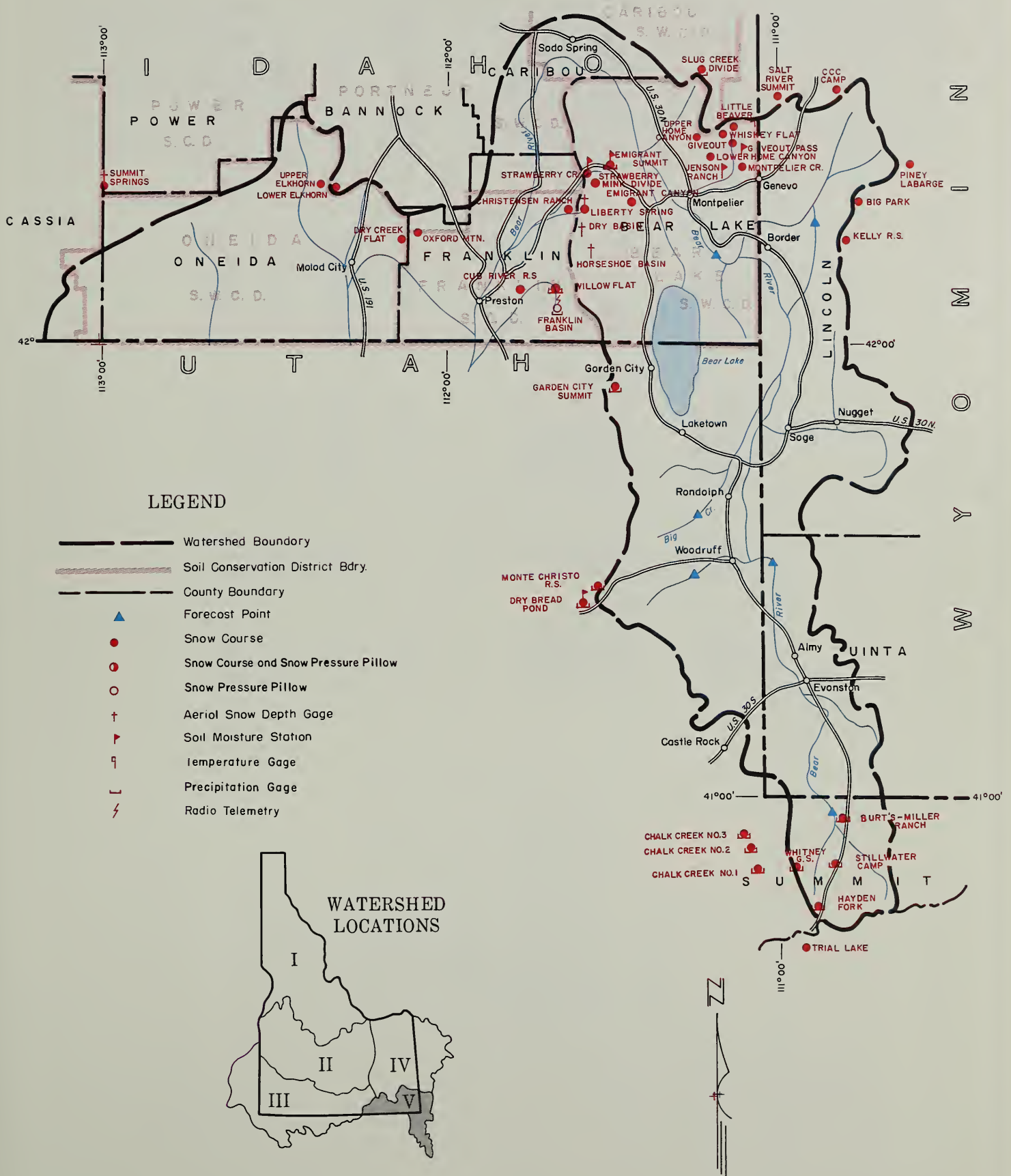
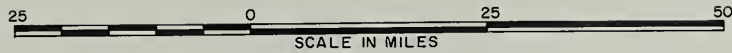
Cub River R. S.	11G12	5400	1/28	34	9.0	6.4	5.7*
Willow Flat	11G4	6100	1/28	53	16.9	9.7	9.4*

MALAD RIVER

Dry Creek Flat	12G4	6350	1/25	31	10.0	6.0	4.5*
Daniels Creek	12G12	6400	1/26	23	5.9	2.6	--
Lower Elkhorn	12G11	6850	1/25	42	13.8	12.1	--
Oxford Mountain	12G3	6800	1/25	34	10.1	9.0	5.6*
Cliff Canyon	12G13	7200	1/26	29	9.1	4.3	--
Upper Elkhorn	12G10	7100	1/25	57	18.9	16.0	--

(b) 1953-67, 15 year period. \* Not located directly on this drainage. \* Estimated 1953-67, 15 year Average. (A) Aerial observation; Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

# GREAT BASIN





# INDEX to SNOW COURSES

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
			LAT.	OR AND	LONG.	

## GREAT BASIN

### BEAR RIVER

10G11	Wy	Big Park	7	27N	117W	8700
11H13MP	U	Dry Bread Pond	19	8N	4E	8230
11G7	I	Emigration Canyon (mouth)	24	12S	42E	6500
11H7P	U	Garden City Summit	35	14N	4E	7600
10J6P	U	Burt's-Miller Ranch	19	3N	10E	7900
10J7P	U	Hayden Fork	1	1S	9E	9300
10G12	Wy	Kelly Ranger Station	13	26N	118W	8200
11H12P	U	Monte Cristo R. S.	3	8N	4E	8960
10G10	Wy	Piney LaBarge	19	29N	114W	8820
10J17P	U	Stillwater Camp	32	2N	10E	8550
10J28P	U	Whitney G. S.	4	1N	9E	9300

### MONTPELIER CREEK

11G16	I	Giveout	35	11S	45E	6840
11G17m	I	Giveout Pass	2	12S	45E	7025
11G19m	I	Jenson Ranch	15	12S	45E	6580
11G20	I	Little Beaver	26	11S	45E	6970
11G27	I	Lower Home Canyon	17	12S	45E	7500
11G18	I	Montpelier Creek	22	12S	45E	6570
11G26	I	Upper Home Canyon	31	11S	45E	8500
11G21	I	Whiskey Flat	26	11S	45E	6985

### MINK CREEK

11G11	I	Christensen Ranch	27	13S	41E	5600
11G14a	I	Dry Basin	30	13S	42E	7900
11G6MP	I	Emigrant Summit	21	12S	42E	7350
11G15a	I	Horseshoe Basin	31	13S	42E	8000
11G13A	I	Liberty Spring	7	13S	42E	8600
11G9M	I	Strawberry Creek	9	13S	41E	5800
11G10	I	Strawberry Mink Divide	14	13S	41E	6800

### CUB RIVER

11G12	I	Cub River Ranger Station	5	15S	41E	5400
11G8S	I	Franklin Basin	1	16S	41E	8000
11G4P	I	Willow Flat	2	15S	41E	6100

### MALAD RIVER

12G4	I	Dry Creek Flat	31	13S	37E	6350
12G11	I	Lower Elkhorn	30	12S	36E	6850
12G3	I	Oxford Mountain	32	13S	37E	6800
12G10	I	Upper Elkhorn	25	12S	35E	7100

## LEGEND

### Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7s	PRESSURE PILLOW ONLY.
10J7S	SNOW COURSE AND PRESSURE PILLOW.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY.
10J7p	STORAGE PRECIPITATION GAGE ONLY.

## SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
NAME	ELEVATION	DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
<u>BEAR RIVER</u>							
Emigrant Summit	7350	36	8.2	1/29	6.6	6.1	4.1 <sup>j</sup>
Strawberry Creek	5800	48	12.7	1/29	10.1	8.3	12.4
<u>Montpelier Creek</u>							
Giveout Pass	7025	36	9.4	1/27	7.3	4.2	4.0 <sup>j</sup>
Jenson Ranch	6580	48	18.7	1/27	7.0	10.0	8.2
j January Measurement							





# Agencies and Organizations Cooperating in Idaho Snow Surveys

## GOVERNMENT AGENCIES

### Canada:

Department of Lands, Forests, and  
Water Resources, British Columbia  
Department of Resources and Development,  
Water Resources Division

### States:

Idaho State Department of Water Administration  
State of Idaho Department of Fish and Game  
University of Idaho  
Idaho State University  
Montana Agricultural Experiment Station  
Montana State Water Conservation Board  
Nevada Cooperative Snow Surveys  
Oregon Agricultural Experiment Station  
Oregon Cooperative Snow Surveys  
Oregon State Engineer and Corps of  
State Watermasters  
Utah Cooperative Snow Surveys  
Wyoming Cooperative Snow Surveys

### Federal:

U. S. Army Engineers  
U. S. Department of Agriculture  
Forest Service  
Agricultural Research Service  
U. S. Department of Commerce  
Environmental Sciences Service Administration,  
Weather Bureau  
U. S. Department of the Interior  
Bonneville Power Administration  
Bureau of Reclamation  
Fish and Wildlife Service  
Water Resources Division, Geological Survey  
Indian Service  
National Park Service  
Bureau of Land Management

## PUBLIC UTILITIES

The Montana Power Company  
Washington Water Power Company  
Idaho Power Company  
Utah Power and Light Company

## ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District  
Boise Project Board of Control  
Little Wood River Irrigation District  
Jordan Valley Irrigation District  
Salmon Falls Creek Irrigation Company  
Twin Falls Soil Conservation District  
Twin Lakes Irrigation Company  
Big Wood Irrigation Company  
Owyhee Project - North & South Board of Control

## PRIVATE CORPORATIONS

Amalgamated Sugar Company

*Other organizations and individuals furnish valuable information for  
snow survey reports. Their cooperation is gratefully acknowledged.*

UNITED STATES DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

ROOM 345  
304 N. 8TH ST.  
BOISE, IDAHO 83702

OFFICIAL BUSINESS



POSTAGE AND FEES PAID  
U. S. DEPARTMENT OF AGRICULTURE

FIRST CLASS MAIL

FEDERAL - STATE - PRIVATE  
**COOPERATIVE SNOW SURVEYS**

Furnishes the basic data  
necessary for forecasting  
water supply for irrigation,  
domestic and municipal water  
supply, hydro-electric power  
generation, navigation,  
mining and industry

*"The Conservation of Water begins  
with the Snow Survey"*

USDA NATIONAL AGRICULTURAL  
LIBRARY  
CURRENT SERIAL RECORD  
BELTSVILLE, MARYLAND 20705